

Abstract

A sensor for measuring a force is provided, which sensor includes a first sealed volume, a second sealed volume, a pressure diaphragm and a force diaphragm. The pressure diaphragm has a first side and a second side, with a pressure of the first sealed volume acting on the first side, and a pressure of the second sealed volume acting on the second side. The force diaphragm is exposed to a force, and the pressure of the first volume is dependent on the force acting on the force diaphragm.